

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 9 (Cancelled).

10. (Currently Amended) A field device for monitoring and/or determining a process variable of a medium, wherein the process variable is preferably a fill level, viscosity or density of the medium, comprising:

an oscillatable unit, a driving/receiving unit, which excites said oscillatable unit to oscillate, or which receives oscillations of said oscillatable unit, as the case may be; and

a control/evaluation unit, which controls the oscillations of said oscillatable unit, or which evaluates the oscillations of said oscillatable unit, as the case may be, wherein:

said control/evaluation unit produces an accretion alarm, when the oscillation frequency $[(f)]$ of the oscillations of said oscillatable unit falls below an adjustable limit value $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$; and

said adjustable limit value $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$ is ~~determinable and/or calculable~~ determined and/or calculated at least from measured and/or calculated dependencies of the oscillation frequency $[(f)]$ on process conditions ~~and/or~~ and on the said process variable to be monitored and/or determined.

11. (Currently Amended) The field device as claimed in claim 10, wherein: the process variable is fill level; and

said adjustable limit value (G) is ~~determinable and/or calculable~~ determined and/or calculated as a function of the use of the field device, whether as a minimum switch (G_{Minimum}) or as a maximum switch (G_{Maximum}) .

12. (Currently Amended) The field device as claimed in claim 10, wherein:
said adjustable limit value $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$ is ~~determinable and/or~~
~~calculable~~ determined and/or calculated from the smallest oscillation frequency
[[f]] as a function of the maximum with reference to the field device, allowable
process conditions ~~and/or~~ and as a function of the maximum, with reference to
the field device ~~and/or~~ and with reference to the application allowable process
variable to be monitored and/or determined.

13. (Currently Amended) The field device as claimed in claim 10, wherein:
said adjustable limit value $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$ is ~~determinable and/or~~
~~calculable~~ determined and/or calculated taking into consideration ~~a maximum~~
~~allowable accretion~~, or a frequency change associated with ~~the~~ a maximum
allowable accretion.

14. (Currently Amended) The field device as claimed in claim 10, wherein:
the said process conditions involve temperature and/or pressure and/or
density and/or viscosity and/or fill level of the medium.

15. (Currently Amended) The field device as claimed in claim 10, further
comprising:

a review unit which produces an accretion alarm independently of said
control/evaluation unit, when the oscillation frequency [[f]] of said oscillations of
said oscillatable unit falls below an adjustable limit value $(G; G_{\text{Minimum}}; G_{\text{Maximum}})$.

16. (Currently Amended) The field device as claimed in claim 10, wherein:
said control/evaluation unit produces a "free" report, when the oscillation
frequency [[f]] of the oscillations of said oscillatable unit exceed an adjustable
over-value [[O]]; and

the said adjustable over-value [[O]] is ~~determinable and/or calculable~~
determined and/or calculated from measured and/or calculated dependencies of

the oscillation frequency $[(f)]$ on the process variable to be determined and/or to be monitored.

17. (Currently Amended) The field device as claimed in claim 16, wherein:
the said adjustable over-value $[(O)]$ is ~~determinable and/or calculable~~
determined and/or calculated from a greatest oscillation frequency $[(f)]$ as a
function of corresponding maximum, in reference to the field device, allowable
process conditions and as a function of said oscillatable unit oscillating
uncovered.

18. (Currently Amended) The field device as claimed in claim 16, wherein:
the said adjustable over-value $[(O)]$ is ~~determinable and/or calculable~~
determined and/or calculated taking into consideration a maximum allowable
accretion, or a frequency change associated with the maximum allowable
accretion.